

**Docket No. 217 – Development and Management Plan Inspection**

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

**Date:** August 3, 2006

**Inspector:** Don Ukers, David Stowe

**Location:** Transition Stations: Hoyts Hill, Archers Lane, Norwalk Junction

**Storm/**

**Rain Event:** Approximately 0.48" of rain was recorded on 7/28 with possibly higher localized totals as reported by NOAA.

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways	- <b>Hoyts Hill:</b> Access is gained off Hoyts Hill Road. Run-off from the roadway is channeling down the driveway and into a gully leading to the pad. 6/7-7/26/06.	-The gully will be filled in but run-off from the road will be difficult to control until the area is paved. 6/28-7/26/06.	-Needs attention when feasible
	-Timber mats remain in place off Rt 58 but equipment was removed. 7/26/06	- None at this time. 7/26/06 See 345kV XLPE report.	-N/A
	- <b>Archers Lane:</b> Water levels at the wetland crossings on the access road to the ROW appear to remain below problem levels. 7/26/06.	-The 1 <sup>st</sup> wetland crossing needs some maintenance again. See the EC section. 6/28-7/26/06.	-Needs attention.
	- The silt fence along the access road was repaired but accumulated sediment will still need to be removed from the wetland 7/26/06	- Sediment needs to be removed carefully by hand in these spots. This area will also need some final stabilization measures as this is an ongoing problem. 7/26/06	- Fence was repaired but sediment will still need attention - Needs evaluation
	-Slopes remain disturbed along the access road where 345kV trenching	- AL contractors will likely need to perform restoration when work is complete here. 5/4-	- Needs attention when work is complete

Areas of Inspection	Observation	Recommended Action	Corrected Actions
Access Roads and Adjacent Roadways continued	<p>occurred. 4/26-7/26/06</p> <p>- Turbid run-off water had pooled up in the access road near the stone wall. 7/5-7/26/06</p> <p>- <b>Norwalk Junction:</b> Sediment tracking did not appear to be an issue at this time. 5/25-7/26/06.</p> <p>-Significant ruts were noted along the perimeter fence. 7/26/06</p>	<p>7/26/06</p> <p>- Controls here need maintenance. If the ponding is an issue, replace fence with haybales or gravel berms 7/19-7/26/06</p> <p>-Continue to monitor Rt. 7 at the main access pad. Silt fence remains at the 345kV stockpiles. 7/26/06</p> <p>- Restore soil ruts to reduce disturbance and consider using plates or mats in this area. 7/26/06</p>	<p>-Needs attention</p> <p>-N/A</p> <p>- Needs attention</p>
Foundation construction	<p>- At <b>Hoyts Hill:</b> Wire pulling machinery was removed from the mats in the wetland at Rt 58. 7/26/06.</p> <p>- Some electrical work was occurring. 7/26/06</p> <p>-At <b>Archers Lane,</b> Work continues on scaffolding, foundations and structures. 7/26/06</p> <p>-At <b>Norwalk Junction:</b> Work continues on the forms, foundations, and structure installations in the station pad. 7/26/06.</p> <p>- The adjacent storage center built an earthen/fabric berm along the silt fence adjacent to the site. 5/25-7/26/06</p>	<p>- Continue to monitor. 7/26/06.</p> <p>-None at this time 7/26/06</p> <p>- None at this time. See erosion control section 6/1-7/26/06</p> <p>- None at this time. See erosion control section for more information. 7/26/06.</p> <p>- This is not project related/jurisdictional or covered under the permit held by NU. 5/25-7/26/06</p>	<p>-N/A – 345kV XLPE jurisdictional</p> <p>-N/A</p> <p>-N/A</p> <p>- N/A</p> <p>- N/A – not project jurisdictional</p>
Erosion and Sediment Controls	<p>-<b>Hoyts Hill:</b> The perimeter silt fence along the wetlands at the rear of the station remains in good shape. 4/6-7/26/06.</p> <p>- The areas where the</p>	<p>-Monitor and maintain the fence as necessary. 4/6-7/26/06 Vegetation is growing very well in the adjacent wetland 7/26/06</p> <p>- Consider seeding to</p>	<p>- N/A</p> <p>- Needs evaluation</p>

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Erosion and Sediment Controls continued	<p>filter bags were removed remains bare with some accumulated sand. 7/5-7/26/06</p> <p>-One gully in the southern slope remains along the stone pad. The rest of the repaired slope is revegetating fairly well. 6/28-7/26/06.</p> <p>- <b>Archers Lane:</b> Silt fence along the access road at the 1<sup>st</sup> wetland was repaired but accumulated sediment remains in the wetland. 7/5-7/26/06</p> <p>- Silt fence on the access drive in the ROW was also repaired adjacent to the 2<sup>nd</sup> wetland crossing. 7/26/06</p> <p>- Turbid run-off from the access road continues to pool at the stonewall near Diamond Hill. Silt fence is partially filtering the water. 7/5-7/26/06</p> <p>- The silt fence where the process stockpile used to be was also washed down. 7/12-7/26/06</p>	<p>revegetate if this does not occur naturally soon. 7/5-7/26/06</p> <p>-The gully will be repaired and the slope reshaped to promote sheet flow. 6/28-7/26/06.</p> <p>-Continue to remove sediment carefully by hand. 7/5-7/26/06 This area will need more final stabilization measures as this is an on-going problem. 7/19-7/26/06</p> <p>- Continue to pull back stone and remove sediment as needed. 7/26/06</p> <p>- Repair fence or replace with haybales or a gravel berm (or similar control) here if ponding is a problem. 7/5-7/26/06</p> <p>- Repair silt fence and install haybales to reinforce the area. 7/12-7/26/06</p>	<p>- Needs attention when feasible</p> <p>- Silt fence was being repaired, sediment still needs attention.</p> <p>- Silt fence was being repaired but sediment still needs attention</p> <p>- Needs attention</p> <p>-Needs attention if feasible</p>
	<p>- <b>Norwalk Junction:</b> Perimeter silt fence remain in good shape along the river. 5/17-7/26/06.</p> <p>-The wetland area outside the silt fence adjacent to the river contains accumulated sediment and turbid water. 6/7-</p>	<p>- None at this time. Continue to monitor controls. 5/17-7/26/06.</p> <p>- The silt is contained and does not yet reach the river. Wetland vegetation was also noted growing here, but silt has built up</p>	<p>-N/A</p> <p>- Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	7/26/06 -Silt is also building up in the spot closest to the river. 7/26/06	at the stone outlet and should be removed by hand. 6/1-7/26/06	
Erosion and Sediment Controls continued	<p>- All the haybales in the swale culverts remain degraded. 6/28-7/26/06</p> <p>-Significant sediment accumulation also remains in the swale. 6/7-7/26/06 Adjacent areas on site are not stable or have soil disturbance leading to additional sediment in the swale. 7/19-7/26/06</p> <p>- Significant ruts from equipment were noted adjacent to the perimeter fence. 7/26/06</p> <p>-Trench plates remain over the swale for access. 7/12-7/26/06</p>	<p>-Place new haybales or additional controls at all the culverts for filtration. 6/28-7/26/06</p> <p>- Continue to improve water quality to the swale by restoring areas wherever feasible. Also remove accumulated sediment from the swale 6/1-7/26/06.</p> <p>- Repair ruts and consider using mats or plates in this area to reduce disturbance. 7/26/06</p> <p>- The swale is intact at this time but if access causes any damage to the swale it should be repaired. 7/26/06</p>	<p>- Needs attention</p> <p>- Needs attention</p> <p>- Needs attention</p> <p>- N/A at this time</p>
Inland Wetland and Watercourse encroachment and mitigation	<p>- <b>Hoyts Hill:</b> The wetland remains well protected and well vegetated 7/26/06 - The areas where the filter bags had been should be vegetated. 7/5-7/26/06</p> <p>- The equipment for wire pulling had been removed from the area. 7/26/06</p> <p>-<b>Archers Lane:</b> Watch run-off velocity down the completed slopes and walls. Efforts are still needed to remove deposited sediment from the 1<sup>st</sup> wetland crossing. 6/28-7/26/06.</p>	<p>-Continue to monitor this area until slopes are stabilized completely. 7/26/06. - Seed and restore as needed 7/26/06</p> <p>-None at this time. 345kV XLPE will be restoring this area 7/26/06</p> <p>- Remove the sediment from the wetland where there are significant buildups. 6/20-7/26/06.</p>	<p>- N/A.</p> <p>-Equipment was removed</p> <p>- Needs attention (NU was lining up a contractor for this)</p>

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	<p><b>- Norwalk Junction:</b> The outlet of the drainage swale is at the headwall of the wetland area. Wetland vegetation was growing but silt has accumulated and turbid water remains 6/14-7/26/06</p>	<p>- Reduce turbidity by controlling its source-disturbed surfaces and dewatering on site. The area does not seem affected but deeper sediment buildup at the outlet should be removed. 5/25-7/26/06.</p>	<p>-Needs attention when feasible</p>
State species of concern, threatened and endangered species	<p>- No species of concern are located in these areas of construction.</p>	<p>- N/A</p>	<p>-N/A</p>
Vegetative clearing limits (including trees to save or danger trees noted)	<p><b>-Hoyts Hill:</b> The southern slope has increasing vegetative cover. One gully remains through the stone pad. 6/28-7/26/06.</p> <p><b>- Archers Lane:</b> Consider final stabilization measures for the area so turbid run-off to the wetland will be reduced. 7/26/06.</p> <p><b>- Norwalk Junction:</b> -A number of bare soil areas around the perimeter of site should be temporarily stabilized/vegetated due to sediment loading to the swale. Ruts were also noted outside the yard 7/26/06.</p>	<p>- See erosion control section. 6/7-7/26/06.</p> <p>-Evaluate potential solutions here. 7/26/06.</p> <p>- Restore perimeter surfaces wherever feasible (even if it is temporary) 6/1-7/26/06.</p>	<p>-Needs attention when feasible</p> <p>-Needs evaluation</p> <p>-Needs attention</p>
<p>Dewatering</p> <p><b>Archers Lane</b></p> <p><b>Norwalk Junction</b></p>	<p>- Active dewatering was not noted. 7/26/06</p> <p>-Active dewatering occurs regularly to the swale. The haybales are degraded and turbid water</p>	<p>- The silt fence along the access road that would receive this water is in good shape but other areas need repair 7/26/06.</p> <p>-Replace haybales and reinforce controls. Accumulated silt needs to be removed. 6/28-7/26/06.</p>	<p>-N/A</p> <p>-Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrected Actions
	reaches the wetland area. Significant sediment had built up. 7/5-7/26/06		
Blasting	- All blasting is complete. 7/26/06	- None at this time.	-N/A
Soils	- A few soil stockpiles remain at <b>Norwalk Junction</b> as excavation continues 7/26/06.	- Stockpiles remain contained. See erosion control section. 7/19/06. - Controls remain in place near 345kV stockpiles near the entrance to Norwalk	-N/A
Spills and Material Storage	- No obvious spills or equipment leaks were noted at this inspection 7/26/06	- Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site - Report spills immediately, even if they are being controlled. - Take care not to get carried away and to be vigilant when refueling. Avoid refueling in the areas near the wetlands. See proper storage for all materials.	-N/A
Additional Observations			

**Next likely scheduled inspection:**

Thursday August 3, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

**Inspector's Signature:**

Diana Walden for Don Ukers, Ann Schwenzer





Hoyts Hill Transition Station: Photo on the left shows a view of the electrical work at the station pad. Photo on the right shows the silt fence in place along the edge of the wetlands. 8/3/06





Archers Lane: Photo on the left shows the entrance off Diamond Hill Rd. Trench plates were in place and haybales had been added to the stone wall where water had been pooling. Photo on the right shows an overview of the work and structures in the station yard. 8/3/06.



Norwalk Junction: Photo on the left shows the berm (non project related) along the perimeter silt fence. Photo on the right shows the degraded haybales remaining in the swales. New haybales were going to be placed here the day of inspection. 8/3/06





Photo shows an overview of the ongoing work in the station yard. 8/3/06.